

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electronic LED circuit arrangement, comprising:
a lead, via which electronic circuit elements of the LED circuit arrangement comprising LED components are drivable by a drive circuit; and
an evaluation circuit located in the LED circuit arrangement, the evaluation circuit being a digital/analog converter comprising a resistor network;
wherein the lead has a plurality of coding conductors, which carry a code by means of a combination of electrically interrupted and electrically continuous coding conductors, said code giving an indication of specific properties of the LED circuit arrangement; and
wherein said evaluation circuit is adapted to detect said code, and a reference voltage (U_{ref}) of the digital/analog converter (D/A) is a measurement voltage provided by a measurement voltage source.
2. (Currently Amended) The electronic LED circuit arrangement as claimed in claim 1, wherein the evaluation circuit passes a corresponding control signal to the drive circuit.
3. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 1, wherein an interrupted coding conductor represents the logic state "0" and a non-interrupted coding conductor represents the logic state "1".

4. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 2, wherein at least two coding conductors are individually connectable to a measurement voltage source of the drive circuit and the coding conductors are furthermore connectable to the evaluation circuit.

5. (Canceled).

6. (Canceled).

7. (Canceled).

8. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 1, wherein an electrical supply line for the circuit elements is provided by at least one electrically continuous coding conductor.

9. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 1, wherein the lead and the circuit arrangement are arranged on a common carrier.

10. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 1, wherein the lead is arranged on a flexible part of a carrier.

11. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 1, wherein the coding conductors are interruptable by perforation, stamping and/or milling.

12. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 1, wherein the lead is electrically connectable to the drive circuit and/or to the circuit arrangement by plug connectors.

13. (Canceled).

14. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 13, wherein the LED circuit arrangement has a plurality of LED chains each having a plurality of LED components, said LED chains being electrically connected in parallel with one another.

15. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 14, wherein the coding is correlated by the brightness grouping of the LED components used in the LED circuit arrangement.

16. (Previously Presented) A method for coding an electronic LED circuit arrangement, as claimed in claim 1, wherein the lead is coded by perforation, stamping and/or milling after the completion of the electronic LED circuit arrangement, in accordance with the properties, parameters and/or functions of said electronic LED circuit arrangement.

17. (Previously Presented) The electronic LED circuit arrangement as claimed in claim 9, wherein the common carrier comprises a printed circuit board.

18. (Canceled).